

274216

**Before the
PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA
Columbia, South Carolina 29210**

In the Matter of the Petition of)
Neustar, Inc., on Behalf of the South Carolina)
Telecommunications Industry, For Approval of)
NPA Relief Plan for the 803 NPA)

Docket No. 2018-35-C

**PETITION OF THE
NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR
ON BEHALF OF THE SOUTH CAROLINA TELECOMMUNICATIONS
INDUSTRY FOR RELIEF OF THE 803 NPA**

Neustar, Inc., the North American Numbering Plan Administrator ("NANPA"), in its role as the neutral third party NPA Relief Planner for South Carolina under the North American Numbering Plan and on behalf of the South Carolina telecommunications industry ("Industry"),¹ petitions the Public Service Commission of South Carolina ("Commission")² to approve the Industry's consensus decision³ to recommend to the Commission an all-services distributed overlay as the preferred form of relief for the 803 numbering plan area ("NPA").⁴ Absent the relief, the supply of central office codes (often referred to as "CO" or "NXX" codes) in the 803 NPA will exhaust during the

¹ The Industry is composed of current and prospective telecommunications carriers operating in, or considering operations within, the 803 area code of South Carolina.

² The Federal Communications Commission ("FCC") delegated authority to review and approve NPA relief plans to the states. *See* 47 C.F.R. § 52.19.

³ Consensus as used in this document means: Consensus is established when substantial agreement has been reached among those participating in the issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement. The Alliance for Telecommunications Industry Solutions Inc. (ATIS) Operating Procedures at https://www.atis.org/01_legal/docs/OP.pdf, §7.1, ver. 5.4 (ATIS Mar. 1, 2015) (See Exhibit B).

⁴ As the neutral third party administrator, NANPA has no independent view regarding the relief option selected by the Industry.

fourth quarter of 2020.⁵ In order to allow sufficient time for completion of the selected relief plan prior to exhaust of CO codes in the 803 NPA and to fully implement customer education plans, the Industry recommends that the Commission approve the recommended 13-month implementation schedule set forth herein. In support of this petition and on behalf of the Industry, NANPA submits the following:

I. BACKGROUND

In October 2017, NANPA published an NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis (“2017 NRUF Report”) which indicated that the 803 NPA will exhaust during the fourth quarter of 2020. Based upon the projected exhaust date of the 803 NPA, NANPA began the relief planning process by announcing the need for relief and distributing initial relief planning documents to the Industry on October 27, 2017.⁶ NANPA then convened an Industry relief planning meeting on November 29, 2017⁷ to discuss possible relief alternatives and to allow the industry to arrive at a consensus on the relief alternative to recommend to the Commission.

⁵ October 2017 Number Resource Utilization Forecast (NRUF) and NPA Exhaust Analysis (“2017 NRUF Report”). The 2017 NRUF Report can be accessed on the NANPA website at <http://www.nanpa.com>.

⁶ NANPA is responsible for initiating area code relief in sufficient time to prevent exhaust of numbering resources before relief is implemented, typically 36 months prior to exhaust.

⁷ The November 29, 2017 meeting minutes are attached as Exhibit A.

Pursuant to the NPA Relief Planning Guidelines,⁸ NANPA distributed an Initial Planning Document (“IPD”) to the Industry prior to the relief planning meeting.⁹ The IPD contained descriptions, maps, general facts and assumptions, and the projected lives of the area code relief options, which consisted of an NPA boundary elimination overlay and an all-services distributed overlay. NANPA did not provide a geographic split alternative as NANPA determined that no split alternative consistent with NPA Relief Planning Guidelines could be developed. No additional alternatives were proposed by Industry members during the relief planning meeting. Descriptions of the two alternatives are:

- Alternative #1 – NPA Boundary Elimination Overlay: The boundary between the existing 803 and 843/854 NPAs would be eliminated and the 803 and 843/854 NPAs would be assigned to the same geographic area currently occupied separately by the existing 803 and 843/854 NPAs. All customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 803 and 843/854 NPAs in the affected area would be required. Available NXX codes in the 843/854 overlay NPA will be assigned upon request in the 803 area with the effective date of the new area code boundary and available 803 NPA NXX codes could be assigned upon request in the 843/854 NPA area. At exhaust of the 803 NPA all further NXX code assignments will be made from the 843/854 overlay area code supply of NXX codes. There are 93 rate centers in the 843/854 NPA with a forecasted exhaust of more than 30 years; eliminating the boundary to include the 803 NPA area would result in a projected life of approximately 31 years before additional relief would be required.
- Alternative #2 – All-Services Overlay: A new NPA code would be assigned to the same geographic area as the existing 803 NPA. This alternative has a projected life of 46 years. Customers would retain their current telephone

⁸ In order to plan for the introduction of new area codes, NANPA and the Industry utilize the NPA Code Relief Planning and Notification Guidelines (ATIS-0300061, Jan. 4, 2016) (“NPA Relief Planning Guidelines”). The NPA Relief Planning Guidelines assist NANPA, the Industry and regulatory authorities within a particular geographic NPA in the planning and execution of relief efforts. The NPA Relief Planning Guidelines can be accessed on the ATIS website located at https://www.atis.org/01_committ_forums/inc/documents/.

⁹ The IPD and other relief planning materials distributed to the Industry on October 27, 2017 are attached as Exhibit B.

numbers. Ten-digit dialing by all customers between and within area codes in the area covered by the new area code would be required.

The November 29, 2017 meeting attendees reviewed the attributes of the relief alternatives described above. The Industry members discussed each alternative noting that Alternative #2 had a greater projected life and that the customer education was expected to be more difficult with Alternative #1 because of the difference in dialing plans within the two NPAs (currently, seven-digit-dialing is the local dialing plan in the 803 and 10-digit-dialing is used for local calls in the 843/854). The Industry members reached consensus to recommend Alternative #2, the all-services distributed overlay plan, to the Commission as the preferred method of relief for the 803 NPA.

II. DESCRIPTION OF THE RECOMMENDED RELIEF ALTERNATIVE

The recommended all-services distributed overlay would superimpose a new NPA over the same geographic area covered by the existing 803 NPA. All existing customers would retain the 803 area code and would not have to change their telephone numbers. Consistent with FCC regulations, the relief plan would require 10-digit dialing for all calls within and between the 803 NPA and the new NPA.¹⁰ CO code assignments would be made from the new overlay area code beginning one month after mandatory dialing begins. The all-services distributed overlay has a projected life of 46 years.

¹⁰ 47 C.F.R. §52.19(c)(3)(ii).

The table below sets forth the Industry recommended dialing plan for the overlay:

Overlay Dialing Plan for Alternative # 2:

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA) or Foreign NPA (FNPA)	10-digits (NPA-NXX-XXXX)*
Toll Call	HNPA or FNPA	1+10-digits (1+NPA-NXX-XXXX)
Operator Services	HNPA or FNPA	0+10-digits (0+NPA-NXX-XXXX)

* 1 + 10 digit dialing for all HNPA and FNPA calls also permissible at each service provider's discretion.

Industry participants reached consensus to recommend to the Commission a 13-month schedule for implementation of the overlay. The recommended schedule, provided below, includes time intervals for each implementation phase, but does not include specific dates. The Industry respectfully requests that the Commission allow the Industry to select the specific implementation dates, once an order is issued, that do not interfere with certain holidays or conflict with other implementations occurring across the country. The recommended schedule is as follows:

Recommended Implementation Schedule for an All-Services Distributed Overlay


EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period <i>(Calls within 803 NPA can be dialed using 7 or 10 digits)</i> Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period. <i>(Effective date for codes from the new NPA)</i>	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

The Industry requests that the Commission approve this timeline in order to ensure the timely implementation of relief and to facilitate customer education. Adhering to the proposed implementation schedule will avoid the denial or delay of service to telecommunications providers' customers due to the unavailability of CO codes.

III. CONCLUSION

The Industry respectfully requests that the Commission issue an order approving the Industry's recommended relief method for the 803 NPA, an all-services distributed overlay. The Industry also requests that the order approved the recommended relief implementation schedule to ensure timely implementation of relief and effective customer education.

Respectfully submitted,



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Heidi.wayman@team.neustar

January 24, 2018

EXHIBIT A



January 10, 2018

To: All 803 NPA Code Holders and Other Industry Members (South Carolina)

Subject: Final Minutes of November 29, 2017 IPD Conference Call

Attached are the final meeting minutes from the November 29, 2017, SC 803 NPA relief planning meeting. NANPA conducted a conference call to review and approve these minutes on January 9, 2018, and minor edits were made. No later than January 24, 2018, NANPA will file the petition for relief of the 803 NPA using the meeting results reflected in these minutes.

Please feel free to contact me if you have any questions regarding any aspect of relief planning, or have any questions about receiving notices and documents via NNS. I can be reached on 571-434-5765 or via email at the address below.

Sincerely,

Heidi A. Wayman
NPA Relief Planner
NANPA
e-mail: heidi.wayman@team.neustar

CC: James McDaniel – Office of Regulatory Staff
Attachments

**SOUTH CAROLINA – 803 NPA
INITIAL RELIEF PLANNING MEETING
VIA CONFERENCE CALL
FINAL MEETING MINUTES
November 29, 2017**

WELCOME, INTRODUCTIONS & AGENDA REVIEW

Heidi Wayman, NPA Relief Planner–NANPA, welcomed the participants and reviewed the objective of the meeting. A list of attendees can be found in Attachment #1. Heidi then reviewed the agenda and NANPA's roles and responsibilities.

NANPA's ROLE AND RESPONSIBILITIES

Heidi reviewed NANPA's role and responsibilities for today's meeting as follows:

- NANPA starts the relief planning process 36 months prior to exhaust of the NPA.
- Distribute the Initial Planning Document (IPD) at least four weeks prior to the Relief Meeting – posted on NNS October 27, 2017.
- Review the relief alternatives presented in the IPD
- Check to see if there are any additional relief alternatives from the participants
- Discuss the alternatives and list some pros and cons for each alternative
- Then, the main objective is achieved by reaching consensus on the relief alternative the industry wants to recommend to the South Carolina Public Service Commission.
- Also determine any additional items to include in a filing with the PSC such as dialing plan and implementation intervals.
- Then NANPA is charged with the responsibility of filing a relief petition, on behalf of the industry, with the regulatory authority. Once the industry comes to consensus on what should be included in the filing, NANPA will file the legal document within six weeks of today's meeting per the INC guidelines (i.e., by January 10, 2018) or as decided by the industry or as required by the state statute.

REVIEW CONSENSUS PROCESS AND NPA RELIEF PLANNING GUIDELINES

Heidi stated that the ATIS (Alliance for Telecommunications Industry Solutions) approved industry consensus process would be followed. She reviewed the consensus process and explained how consensus is determined. In addition, Heidi stated that the minutes would be comprised of consensus agreements, and that issues not captured by consensus could be expressed in the form of a Statement for the Record, which could be conveyed at any point during the meeting.

Heidi referred the participants to the relief planning meeting aids included in the IPD document: the Excerpts from the INC NPA Code Relief Planning & Notification Guidelines, and the Implementation Interval and Dialing Plan charts. Heidi has also

included Population Counts and Projections 2000-2030. These meeting aids will assist the participants in their decision making and to make a recommendation for relief.

The NPA Code Relief Planning & Notification Guidelines, as well as other relevant NPA assignment guidelines, may be downloaded from the ATIS web site at: (www.atis.org).

REVIEW INITIAL PLANNING DOCUMENT (IPD) FOR THE 803 NPA

Heidi reviewed the Initial Planning Document (IPD) distributed on October 27, 2017.

RELIEF PLANNING BACKGROUND AND ASSUMPTIONS

The 803 NPA currently serves the central part of South Carolina which includes Columbia, the state capital. The 803 NPA is one of the original NPAs assigned in 1947. NPA 803 served the entire state of South Carolina until 1995, at which time a split was implemented and created the 864 NPA. The northwest portion of South Carolina became 864 and Charleston, Columbia and Florence LATAs retained the 803 NPA. In 1998, the 803 NPA needed additional relief and a split was implemented. This is the introduction of the NPA 843. The coastal area, including Charleston, Florence as well as the South Carolina portion of the Savannah and Wilmington LATAs moved to the new 843 NPA. The Columbia LATA remained in the 803 NPA.

The 843 NPA generally covers the coastal counties. The communities included in the 843 NPA include Charleston, Hilton Head Island, Myrtle Beach and Florence. On December 13, 2013, the South Carolina Public Service Commission approved an all-services overlay for the 843 NPA. The new NPA for this overlay was 854. NPA 854 became effective in October 2015. The 854 NPA serves the same geographic area currently served by the 843 NPA.

NPA STATUS

Heidi informed participants that the October 2017 Number Resource Utilization Forecast ("NRUF") projects the 803 NPA to exhaust during the 4th Quarter 2020. The monthly CO Code demand projection is 1.28 codes/month (15 codes per year). As of November 29, 2017, the 803 NPA has 734 codes assigned, 45 codes available for assignment and 21 Un-Assignable codes. There are 65 total service providers: 59 service provider OCNs that are code and block holders and six service provider OCNs that are only one-thousand-block assignees.

Heidi informed participants that the October 2017 Number Resource Utilization Forecast ("NRUF") projects the exhaust of the 843/854 NPAs is more than 30 years in the future. The monthly CO Code demand projection is 1 code/month (12 codes per year). As of November 29, 2017, the 843 NPA has 763 codes assigned, 15 codes available for assignment and 22 Un-Assignable codes. The 854 NPA has 10 codes assigned, 777 codes available for assignment and 13 Un-Assignable codes. In the 843/854 NPA overlay area there are a total of 57 service providers.

NUMBER POOLING INFORMATION

Cecilia McCabe, Neustar – Number Pooling Implementation Manager, reported that in the 803 NPA pooling commenced on March 12, 2003, there are 82 rate centers (RCs), 38 RCs are mandatory pooling, 6 RCs are mandatory with a single service provider, 35 RCs are optional, and 3 RCs are excluded. For the time period of December 1, 2016, to November 28, 2017, 207 blocks have been assigned in the 803 NPA, and as of November 28, 2017, there are 557 blocks available for assignment to service providers. Pooling has assigned 27 codes in the same period, 20 for pool replenishment, 0 for dedicated customers and 7 for LRNs. The forecasted need for the next twelve months is 24 codes for pool replenishment and dedicated customers and none for LRNs.

Cecilia McCabe also reported that in the 843/854 NPAs pooling commenced on February 19, 2003. There are 92 rate centers (RCs), 18 RCs are mandatory pooling, 4 RCs are mandatory with a single service provider, 67 rate centers are optional, and 3 rate centers are excluded. For the time period of December 1, 2016 to November 28, 2017, 177 blocks have been assigned in the 843/854 NPAs, and as of November 28, 2017, there are 773 blocks available for assignment to service providers. Pooling has assigned 30 codes in the same period, 22 for pool replenishment, 0 for dedicated customers and 8 for LRNs. The forecasted need for the next twelve months is 6 codes for pool replenishment and dedicated customers and 4 codes for LRNs.

Heidi then briefly reviewed the following maps and related documents:

- Map showing location of all NPAs in South Carolina
- NPA 803 Rate Center Map of the 82 rate centers
- NPA 803 Rate Center & Incorporated Cities Map
- NPA 803 Rate Center & County Map
- Code Holder Table for 803 & 843/854 NPAs
- Rate Center Table for 803 & 843/854 NPAs

EXPLANATION OF RELIEF ALTERNATIVE PREPARED BY NANPA

NANPA determined that no split alternative will meet the NPA Code Relief Planning and Notification Guidelines, so no split alternative was developed. Heidi reviewed the following recommended relief alternatives and the associated maps in the Planning Document:

OVERLAY ALTERNATIVE

ALTERNATIVE #1 – NPA BOUNDARY ELIMINATION OVERLAY

The boundary between the existing 803 and 843/854 NPA codes would be eliminated and the 803 and 843/854 NPAs would be assigned to the same geographic areas occupied by the existing 803 and 843/854 NPAs. The 803 NPA and 843/854 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all

customers within and between the 803 and 843/854 NPAs in the affected area would be required. Available central office codes in the 843/854 overlay NPA will be assigned upon request in the 803 area with the effective date of the new area code boundary and available 803 NPA central office codes could be assigned upon request in the 843/854 NPA area. At exhaust of the 803 NPA all future NXX code assignments will be made from the 843/854 overlay area code supply of central office codes. There are 93 rate centers in the 843/854 NPA with a forecasted exhaust of more than 30 years; eliminating the boundary to include the 803 NPA area would result in a projected life of approximately 31 years before additional relief would be required.

ALTERNATIVE # 2- ALL SERVICES DISTRIBUTED OVERLAY

A new NPA code would be assigned to the same geographic area occupied by the existing 82 rate centers of the 803 NPA. Customers would retain their current telephone numbers; however, ten-digit dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 803 NPA all future code assignments will be made in the overlay area code. The projected life of this alternative is approximately 46 years.

ADDITIONAL RELIEF ALTERNATIVE SUGGESTIONS

Heidi sought ideas for additional relief alternatives. There were no additional suggestions during this conference call.

CONSENSUS ON RELIEF ALTERNATIVE RECOMMENDATION

There was discussion of the pros and cons of the two relief alternatives. A participant asked for the benefits between the two options. A participant noted that there was a difference in the projected lives for each alternative. Heidi also noted that with the boundary elimination overlay, it would save the assignment of a new area code. It was also noted, with a boundary elimination overlay, customer education would be more complicated due to 7 digit dialing in 803 and 10 digit dialing in 843/854.

After further discussion, a proposal was made and consensus was reached to recommend Alternative #2, the all services distributed overlay alternative, to the South Carolina Public Service Commission as the industry's choice of relief for the 803 NPA.

DIALING PLAN (ALTERNATIVE #2)

The following represents the existing dialing plan for an overlay in South Carolina, and consensus was reached to recommend it for the alternative #2 overlay for 803 as well:

OVERLAY DIALING PLAN FOR ALTERNATIVE #2

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) or Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)*
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

*1+10 digit permissible at each service provider's discretion

ESTABLISH IMPLEMENTATION SCHEDULE

It was noted that the start of mandatory dialing should avoid major holiday periods such as Thanksgiving, Christmas and New Year's. Interval dates, start of permissive dialing and mandatory dialing, will occur during non-business hours, usually early Saturday mornings.

IMPLEMENTATION ISSUES

Heidi stated she desired the industry members to consider the time of the year when best to introduce a dialing change in the 803 area as well as the length of time they would recommend for permissive dialing. In connection with this issue, the INC guidelines state that NANPA should recommend mandatory dialing start 6-months prior to the forecasted exhaust of 4Q2020 - **which would be in 2Q2020.**

A recommendation was made and consensus reached to recommend to the South Carolina Public Service Commission a 13-month schedule for implementation of the overlay shown with the interval periods listed below. The recommended schedule is as follows:

Interval Timeframes and Dates for Alternative #2 –All Services Distributed Overlay:

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period (Calls within 803 NPA can be dialed using 7 or 10 digits) Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period (Effective date for codes from the new NPA)	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

STATEMENTS FOR THE RECORD

There were no statements for the record.

REVIEW OF DRAFT MEETING MINUTES

Heidi stated that the draft minutes resulting from this meeting will be distributed to the industry via the NANP Notification Service (NNS) no later than December 13, 2017 and the draft relief petition will be distributed to the industry no later than December 20, 2017. There was a brief discussion on the dates to hold the meeting to review the draft petition. It was agreed that NANPA will conduct a conference call to review and approve the draft minutes and approve the draft petition to the South Carolina Public Service Commission on January 9, 2018 @ 3:30 PM ET. NANPA will file the relief petition with the South Carolina PSC no later than January 24, 2018.

Adjourned

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These minutes became final on January 9, 2018, with minor edits.

803 NPA –SOUTH CAROLINA
Initial Relief Planning Meeting Via Conference Call
November 29, 2017
Participants

NAME	COMPANY
Mary Ann Palmisano	AT&T
Margaret Cox	CenturyLink
Rita Schmitz	CenturyLink
Allyson Belvins	Charter
Sandra Moore	Farmers Telephone
Hope Christman	Frontier
Heidi Wayman	NANPA Relief Planning
Al Cipparone	NANPA
Beth Sprague	NANPA
Cecilia McCabe	Neustar Pooling Implementation
Linda Hymans	Neustar Pooling
James McDaniel	South Carolina Office of Regulatory Staff
Kari Munn	South Carolina Office of Regulatory Staff
Chris Rozyeki	South Carolina Office of Regulatory Staff
Karen Riepenkroger	Sprint
Troy Guichard	T-Mobile
Paul Nejedlo	TDS
Anne Chism	TDS
Laura Dalton	Verizon
Dana Crandall	Verizon Wireless
Raushawn Brown	Windstream
Beatrice McKoy	Windstream

EXHIBIT B

October 27, 2017

To: All 803 & 843/854 NPA Code Holders and Interested Industry Members (South Carolina)

Subject: Initial Planning Document with Notice of the 803 NPA Relief Planning Meeting

Neustar, Inc., in its capacity as the North American Numbering Plan Administration (NANPA) is responsible for initiating area code relief (in accordance with the NPA Code Relief Planning and Notification Guidelines, ATIS-0300061) in areas within the United States in sufficient time to prevent exhaust of numbering resources before relief is implemented, typically thirty-six months prior to exhaust. As of October 25, 2017, the 803 NPA in South Carolina is projected to exhaust during the 4Q2020.

Accordingly, on November 29, 2017, NANPA will convene an industry NPA relief planning conference call to develop a recommended relief plan for the 803 NPA. The objective of this meeting is to secure consensus among members of the South Carolina Telecommunications Industry on a single plan for relief of the 803 NPA. The resulting relief plan will be filed with the South Carolina Public Utilities Commission for their consideration. The Industry recognized consensus process developed by the Alliance for Telecommunications Industry Solutions (ATIS) will be applied in the decision-making efforts.

NANPA has determined that only an overlay alternative will meet the guidelines for the 803 NPA. In Section 5.6.2 of the guidelines - where NPA relief is required for a single NPA area and NANPA has determined that only an overlay alternative will meet the guidelines, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required and NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including network preparation, customer education, and a permissive dialing period. Because there are two possible overlay alternatives, one of which involves the 843/854 NPAs, industry consensus is required for a recommended alternative.

Enclosed is the Initial Planning Document (IPD) for the 803 NPA developed by NANPA that will be presented at the November 29, 2017, meeting to assist the Industry with NPA relief planning efforts. NANPA also welcomes the submission of additional relief alternatives from interested parties.

Also attached to this notice are the meeting agenda, consensus process, the South Carolina 803 & 843/854 NPA NXX Summary and Pooling Statistics reports, meeting aids to assist in understanding the relief planning process, Service Provider CO Code assignments for each NPA by OCN, and related maps.

Because the impacts of NPA relief are so significant, NANPA strongly encourages your participation on November 29, 2017. Past experience demonstrates that this could be the only

meeting of the industry before a decision is reached on a recommended relief plan that will be submitted to the Public Utilities Commission of South Carolina for approval. The details of the relief planning meeting conference call are as follows:

Date: Wednesday, November 29, 2017

Time: 3:00 PM ET; 2:00 PM CT; 1:00 PM MT; 12:00 PM PT

Dial-in number: (630) 827-6799

Pass code: 8831535#

NANPA is also making an online capability available for this meeting. To join the online of the reference documents during the call please utilize the link and instructions provided below:

Click on the Link Below or cut and paste the link to add this meeting to your calendar program (for example Microsoft Outlook). When the meeting information is displayed, then click on "Add to My Calendar".

https://urldefense.proofpoint.com/v2/url?u=https-3A_neustar.webex.com_neustar_j.php-3FMTID-3Dm3c155d9b91872597482604d363dd381b&d=DwMGaQ&c=MOptNIVtIETeDALC_IULrw&r=aepDv8f9wJFt9pYQ1XirkS8fomFbilAsftxPKKOsoq&m=rS409TBfJ2XxtGQfbQ9UIQPGKou0xkywwixL2THvoYQ&s=mzEB-QDcsOsf8yo-EHJYqFTEffcFMSkoNLcR69CpS28&e=

Meeting Number: 620 413 284

Meeting Password: VR6paV53

Please feel free to distribute this notice to others in the industry that you feel should attend this important NPA relief planning conference call. If you receive this notice from someone else and would like to receive additional information in the future about the 803 NPA relief, you are encouraged to sign up to NANPA's NAS-NNS by going to www.nanpa.com, then selecting NAS Login and then selecting New Registration and following the sign-up process.

If you have any questions, please give me a call at (571) 434-5765 or via email at heidi.wayman@team.neustar.

Sincerely,

Heidi A. Wayman
NPA Relief Planner
NANPA

CC: James McDaniel – Office of Regulatory Staff
Attachment

**SOUTH CAROLINA 803 NPA
INITIAL RELIEF PLANNING
INDUSTRY MEETING
VIA CONFERENCE CALL**

**November 29, 2017 - 3:00 PM (ET)
BRIDGE: (630) 827-6799; PASSCODE: 8831535 #**

AGENDA

Welcome, Introductions, Consensus Definition / Statements for the record

NANPA's Role and Responsibilities

Review of 803 (and 843/854 NPAs) NPA Background, History and Status

Review of Initial Planning Document and Proposed Relief Alternatives

Discussion and Elimination of Relief Alternatives

Consensus on Relief Alternative and Dialing Plan

Consensus on Implementation Intervals

Statements for the Record

Set Date to Approve Minutes

Open Discussions

Adjourn

INDUSTRY CONSENSUS PROCESS

3/1/2015

ATIS OPERATING PROCEDURES

VERSION 5.4

7 RESOLUTION PROCESS

7.1 Consensus

Consensus is the method used by the ATIS Forums to reach resolution of Issues, unless specifically otherwise provided for in these Operating Procedures or in Appendix A.

Consensus is established when substantial agreement has been reached among those participating in the Issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement.

Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution. Observers shall have the opportunity to express their views and to influence the opinions of Voting Members. However, the opinions of Observers are not considered by the leadership in determining whether consensus has been achieved. Under some circumstances, consensus is achieved when the minority no longer wishes to articulate its objection. In other cases, the opinions of the minority should be recorded with the report of the substantial agreement, or consensus, of the majority.

When there are questions or disputes regarding consensus, leaders or participants should ask an objecting participant(s) to state the rationale for the objection and provide an opportunity for full discussion aimed at achieving full understanding and consideration of the objection.

A participant's silence is perceived as agreement by the Forum and its leadership. If participants do not agree, they should be encouraged to speak up and voice their opinion. A participant may appeal the resolution of an issue in the manner provided for in Section 13.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

This meeting aid is prepared to assist the participants in understanding basic steps and considerations in NPA Relief Planning and the criteria established to determine if relief alternatives are viable.

Section:

- 2.6 The ATIS consensus process will be employed in selecting an industry relief recommendation.
- 2.12 Once there is an approved relief plan, all code holders, block holders, and the Pooling Administrator (PA) in the exhausting NPA shall take the appropriate steps to facilitate the implementation of the plan.

Section:

5.0 NPA Relief Planning Process

The NRUF and other available resources are used to identify projected NPA exhaust. NANPA shall prepare relief options for each NPA projected to exhaust within thirty-six months.

Considerations in the NPA Relief Planning Process include:

Sub -A - The relief options shall cover a period of at least five years beyond the predicted date of exhaust, and shall cover more than one relief activity, if necessary, during the time frame.

Sub -E - For each relief activity proposed in the plan, it is recommended that customers who undergo number changes shall not be required to change again for a period of 8-10 years.

Sub -F – The use of protected codes (NXXs) is an assignment practice whereby a central office code assigned in one NPA is not available for assignment in an adjacent NPA in order to permit 7 digit dialing across the NPA boundary (where 10-digit dialing would otherwise be required). The use of protected codes (NXXs), which permits 7-digit dialing across NPA boundaries, should be eliminated as part of the NPA code relief planning process unless the appropriate regulatory authority directs otherwise.¹

¹ Per letter dated 10-29-97 from NANC Chairman to INC Moderator.

5.1 Determine the Expected NPA Exhaustion as well as expected changes (e.g. pool size) should project to the best of its ability. The practical source of data, including the historical data, for this projection. Projection results should be compared to other analysis results are available. **NANPA should suggest a mandatory relief if the recommended relief is an overlay.**

Period - Through the use of historical growth data (ing) to NXX demands in the future, NANPA the expected quarter of exhaust of the NPA. Every NRUF survey results should be used as an aid in uld be reported to the industry as soon as the NRUF

Once the earliest likely exhaust date is determined, dialing date six months prior to the exhaust date if

If the recommended relief is a geographic split,

2

the end of the recorded announcement period should be at least six months prior to the earliest likely exhaust date.

- 5.3 Define the Attributes of Each Alternative or Method - For each of the alternative relief methods identified in 5.2, NANPA should, with assistance from the industry participants, quantify impacts to subscribers, networks and service providers and industry concerns using Appendix B. Specific calculations such as the relative lengths of the relief periods, local dialing plans using 7-digits or 10-digits should be made at this point. Examples of attributes are shown in Appendix E.
- 5.4 Notify Industry of Pending NPA Exhaust and Results of Initial Relief Planning - The next step in the NPA Relief Planning Process is to incorporate the results of the steps outlined in 5.1 through 5.3 into an Initial Planning Document (IPD) for distribution to the Industry in the affected NPA. The IPD should be attached to a letter notifying Industry members of future meeting schedules to be held for the purpose of discussing the alternative relief methods, with the objective of reaching consensus on the method to be adopted. The IPD should be provided at least four weeks prior to the first industry meeting to allow individual industry members to fully analyze the alternatives and identify impacts to their respective subscribers and networks. Industry members also should investigate any technical and operational impacts, such as required switch replacements and support system modifications.
- 5.5 Conduct Industry Meetings with the Goal of Reaching Industry Consensus on a Relief Plan – Conduct Industry Meetings/Conference Calls with the Goal of Reaching Industry Consensus on a Relief Plan – Meetings and/or conference calls should be held with all interested members of the industry within the affected NPA. Although most of these meetings are held via conference call, a face-to-face meeting may be scheduled if necessary. If a face-to-face meeting notice is issued, NANPA will state that an SP requesting a conference bridge must notify the meeting host to make arrangements (e.g., equipment, bridge number, cost of call). In order to keep the face-to-face meeting manageable, participants on the bridge shall not be accorded special consideration³. NANPA shall moderate these meetings or conference calls and be fully prepared to

³ Caveat: those on the bridge may NOT ask for comments to be repeated or for additional explanations to be given because they cannot see what's happening in the room. The use of a bridge must not slow down the meeting.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

answer questions regarding the alternatives. **During the meetings/conference calls, new alternatives may be proposed and shall be considered in these discussions.** Inasmuch as the objective of these meetings/conference calls is to reach industry consensus, subsequent meetings/conference calls shall be held as required until consensus is reached, or until NANPA determines consensus cannot be reached.

In discussing the alternatives, issues such as new NPA boundaries, local calling areas, protected codes or routes, regulatory issues, customer education, 911 issues, and the length of any necessary permissive dialing period should be considered.

All meetings and/or conference calls should be fully documented in meeting minutes, which are to be made available to the local industry within two weeks after the meeting/conference call and no less than one week prior to a subsequent meeting or call unless otherwise agreed. Copies of meeting minutes may also be forwarded to the appropriate regulatory authority.

- 5.6 **Notify Appropriate Regulatory Body - When consensus is reached within the industry** or when NANPA determines additional meetings would not achieve consensus, NANPA should submit to the appropriate regulatory body (or bodies) the results of the industry effort, if required. In its submission NANPA should also furnish all relevant background information including any statements for the record submitted in real time by industry participants (unless otherwise agreed), meeting minutes, mailing lists, etc. In the case where consensus could not be reached, brief position papers could be included.

- 5.6.1 **Where NPA relief is required for an existing overlay complex, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required. NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including a timeframe for network preparation and customer education, with the new NPA effective at the end of the implementation schedule.** There is no need for a permissive dialing period because local 10-digit dialing will already be in place. The draft petition shall include the state's existing overlay dialing plan.

NANPA shall notify all affected parties at least three (3) weeks in advance of a conference call scheduled to review and approve the draft petition. During the conference call, the timeframes for the implementation schedule will be determined. The recommended relief should be in place six months prior to the forecasted exhaust (see

Section 7.2). As usual, meeting minutes shall be produced and distributed by NANPA within 10 days of the conference call.

NANPA shall submit the petition to the appropriate regulatory agency requesting approval of the overlay, and after regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

- 5.6.2 **Where NPA relief is required for a single NPA area and NANPA has determined that only an overlay alternative will meet the guidelines, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.**

NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including network preparation, customer education, and a permissive dialing period.

NANPA shall notify all affected parties at least two months in advance of a conference call scheduled to review and approve the draft petition. In the notification, NANPA will include data (e.g. an NPA with a high concentration of assigned NXXs in one or only a few rate centers) supporting the recommendation that the overlay is the only relief method in compliance with the criteria listed in Section 5.0. The two month timeframe notification may be necessary to allow individual industry members to fully analyze impacts to their respective subscribers and networks in determining the timeframes needed for implementation. Industry members may also need this time to investigate any technical and operations impacts, such as required switch replacements and support system modifications to take into consideration when determining the implementation schedule.

During the conference call, the timeframes for the implementation schedule will be determined to finalize the relief petition. The draft petition will include a recommendation for 10-digit dialing for local⁴ and toll to home NPA (HNPA) and 1+10-digit dialing to local and toll foreign NPA (FNPA), or the state's existing overlay dialing plan. The recommended mandatory dialing date should be six months prior to the forecasted exhaust (see Section 5.1). As usual, meeting minutes shall be produced and distributed by NANPA within 10 days of the conference call.

NANPA shall submit the petition to the appropriate regulatory agency requesting approval of the overlay, and after regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

⁴ As an industry Best Practice, service providers are encouraged to also provide permissive 1+ 10 digit local dialing at their discretion.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

5.7 **Approval by Appropriate Regulatory Body – When the regulator issues an order for NPA relief, NANPA shall confirm the approved plan meets the criteria for assignment as set forth in this document. If the approved plan meets the criteria, NANPA will assign a new NPA within one week of receipt of the approved plan. If the approved plan does not meet the criteria for assignment, NANPA will suspend the assignment pending FCC direction.**

5.8 Public Statements/Press Releases - Public statements released prior to the first industry NPA relief planning meeting should, to the extent available, contain:

- factual information about the impending exhaust of the NPA
- and that questions concerning the relief effort may be directed to the NANPA

During the relief planning process, public statements are not encouraged. However, some states may require input from the public to the planning process. If questions are directed to the NANPA, or if reaction to a press article is warranted, responses should, to the extent possible, be limited to factual information (as opposed to opinion or preference) concerning relief options being considered and to agreements reached by the industry that are in the public record.

Within two weeks of the NPA assignment NANPA will issue a press release informing the public of this action. NANPA need not issue that press release if the regulatory authority wishes to do so instead. Information that may be incorporated with this notification includes a map indicating new NPA boundaries and dialing procedures.

5.9 **Industry NPA Relief Implementation Meeting - NANPA will host and facilitate an Industry NPA Relief Implementation meeting via conference call following the final acceptance of a relief plan.** [NANPA, on its own initiative or using input from Service Providers, has the option to convene a face-to-face meeting if the chosen plan presents unusual implementation factors.] **The meeting shall occur no more than 45 days following the assignment of a new NPA.** The agenda for the industry implementation meeting should include relevant dates, milestones, customer education, press releases, provision of test numbers, Planning Letter content and subsequent industry communication regarding implementation issues.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

- 5.10 **Planning Letter – NANPA shall post a Planning Letter to its website informing the public and the industry of pending NPA relief no more than three weeks after the initial implementation meeting.** If regulatory approval of the implementation plan with interval dates is required, the Planning Letter will be published within 10 business days of regulatory approval. If an additional implementation meeting is required, the Planning Letter will be published within 3 weeks of the additional implementation meeting.

This Planning Letter should include a full disclosure of the associated testing period, permissive dialing period, affected NXXs, rate centers, records conversion dates and the beginning date for mandatory dialing of the new NPA (See time line Appendix C). Also included should be a test number for routing verification, the date it will become available and the disconnect date. Other information that may be incorporated with this notification includes a map indicating NPA boundaries, dialing procedures and a NANPA contact name and telephone number. **Service providers that are code and/or block holders within the affected NPA should provide to the NANPA their company's NPA Relief Project Coordinator's contact information for inclusion in the company contact section of the Planning Letter.**

Appendix B

Issues To Be Considered During NPA Relief Planning

Following are a list of issues to be considered in weighing the advantages of the relief alternatives.

Subscribers

- * quantity of subscribers who will have to undergo number changes
- * impact on customer premise equipment (CPE), e.g., reprogramming of wireless devices, automatic dialers, alarm systems, PBXs, etc.
- * public reaction to and political involvement in boundary decisions
- * impact on market identity/recognition, geographic identity, public familiarity
- * public costs such as stationery, business cards, advertising, CPE and database reprogramming.

Network and Service Providers

- * hardware and software upgrades to switching systems
- * modification to or replacement of some operations support systems
- * modification to operator services switches and/or systems
- * directory assistance impacts
- * 911 system impacts
- * directory changes
- * public notification/education requirements
- * changes to existing network routing and translations
- * impact of permissive dialing period
- * length of planning period
- * impact on dialing plan
- * experience with relief method/implementation procedure
- * interaction with appropriate regulatory bodies
- * tariff impacts
- * internal networks
- * LNP compliance impacts

Industry Concerns

- * length of relief period
- * NPA code utilization
- * Number Pooling impact on length of relief period (where applicable)

Appendix E**General Attributes of the Most Common Relief Alternatives**

Geographic Splits	All-Services Overlays
<ul style="list-style-type: none"> Splits maintain a single area code for each geographic area. This may minimize confusion for customers outside the area. 	<ul style="list-style-type: none"> With an overlay there will be more than one area code in a geographic area.
<ul style="list-style-type: none"> Splits require an area code change for approximately one-half of customers in a two-way split, and two-thirds of customers in a three-way split. 	<ul style="list-style-type: none"> An overlay will not require existing customers to change their area code.
<ul style="list-style-type: none"> Geographic splits permit 7-digit dialing within an area code. 	<ul style="list-style-type: none"> An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.
<ul style="list-style-type: none"> Stationery, business cards and advertising, as well as non-telephony databases, containing a ten-digit phone number will need to be revised by customers receiving the new area code. 	<ul style="list-style-type: none"> There is no need to revise stationery, business cards and advertising, as well as non-telephony databases, unless they contain only seven digit phone numbers.
<ul style="list-style-type: none"> Future splits will reduce the geographic size of the area code. 	<ul style="list-style-type: none"> An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.

Relief Planning Meeting Aid

Dialing Plans and Implementation Intervals

This meeting aid has examples of industry developed dialing plans and schedules to assist the participants in their decision of the relief plan to be considered.

6 months

6 months

1 month (after Mandatory
Dialing Period)

13 months

OVERLAY DIALING PLAN MEETING AND IMPLEMENTATION SCHEDULE

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) or Foreign NPA (FNPA)	10 digits (NXX-XXXX) (NPA-NXX-XXXX)
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

*1+10 digit permissible at each service provider's discretion

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period (Calls within existing NPA can be dialed using 7 or 10 digits) Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period (Effective date for codes from the new NPA)	
Total Implementation Interval	3 months
	End of Recording Period

GEOGRAPHIC SPLIT DIALING PLAN AND IMPLEMENTATION SCHEDULE

15 months

Type of Call	Call Terminating in	
Local call	Home NPA (HNPA)	7 digits
	Foreign NPA (FNPA)	10 digits
Toll call	HNPA or FNPA	1+10 digits
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits

EVENT
Network Preparation Period
Permissive dialing to the old or new NPA and Customer Education Period (Calls within the home NPA can be dialed using 7 or 10 digits. Calls using the old or new NPA to those changing to the new NPA are acceptable) Mandatory dialing period begins at the end of the Permissive Dialing Period
Recorded Announcement Period
First Code Activation (Effective date for codes from the new NPA)
Total Implementation Interval

NANPA
North American Numbering Plan Administration

Plans and implementation
of alternatives being

IMPLEMENTATION SCHEDULE

Dialing Plan
(NPA-NXX-XXXX)*

Population Counts and Projections 2000-2030

County	April 1, 2000 Census	April 1, 2010 Census	July 1, 2015 Projection	July 1, 2020 Projection	July 1, 2025 Projection	July 1, 2030 Projection
Abbeville	26,167	25,417	25,300	25,100	25,000	24,900
Aiken	142,552	160,099	165,600	171,200	176,800	182,500
Allendale	11,211	10,419	10,300	10,100	10,000	9,900
Anderson	165,740	187,126	193,300	199,500	209,000	218,500
Bamberg	16,658	15,987	15,800	15,700	15,400	15,200
Barnwell	23,478	22,621	22,400	22,200	22,100	22,000
Beaufort	120,937	162,233	175,900	189,500	202,400	215,300
Berkeley	142,651	177,843	187,800	197,700	208,400	219,100
Calhoun	15,185	15,175	15,200	15,200	15,100	15,100
Charleston	309,969	350,209	360,600	370,900	383,800	396,700
Cherokee	52,537	55,342	56,100	56,800	57,000	57,300
Chester	34,068	33,140	32,900	32,700	32,500	32,400
Chesterfield	42,768	46,734	47,800	48,900	49,600	50,300
Clarendon	32,502	34,971	35,600	36,300	37,400	38,600
Colleton	38,264	38,892	39,000	39,200	39,300	39,500
Darlington	67,394	68,681	69,000	69,300	69,900	70,500
Dillon	30,722	32,062	32,400	32,800	33,100	33,400
Dorchester	96,413	136,555	152,000	167,400	178,800	190,200
Edgefield	24,595	26,985	27,600	28,300	29,200	30,100
Fairfield	23,454	23,956	24,100	24,200	24,300	24,500
Florence	125,761	136,885	140,000	143,100	147,000	150,900
Georgetown	55,797	60,158	61,300	62,500	63,800	65,100
Greenville	379,616	451,225	473,300	495,400	518,800	542,300
Greenwood	66,271	69,661	70,600	71,500	73,100	74,700
Hampton	21,386	21,090	21,000	20,900	20,800	20,700
Horry	196,629	269,291	294,600	319,900	345,800	371,700
Jasper	20,678	24,777	26,000	27,300	28,000	28,800
Kershaw	52,647	61,697	64,400	67,200	70,000	72,800
Lancaster	61,351	76,652	81,700	86,700	91,000	95,300
Laurens	69,567	66,537	65,800	65,100	65,000	65,000

County	April 1, 2000 Census	April 1, 2010 Census	July 1, 2015 Projection	July 1, 2020 Projection	July 1, 2025 Projection	July 1, 2030 Projection
Lee	20,119	19,220	19,000	18,800	18,700	18,600
Lexington	216,014	262,391	277,100	291,800	312,500	333,200
McCormick	9,958	10,233	10,300	10,400	10,600	10,900
Marion	35,466	33,062	32,500	32,000	31,900	31,800
Marlboro	28,818	28,933	29,000	29,000	29,100	29,200
Newberry	36,108	37,508	37,900	38,200	39,000	39,800
Oconee	66,215	74,273	76,600	78,900	84,000	89,100
Orangeburg	91,582	92,501	92,800	93,000	93,500	94,100
Pickens	110,757	119,224	121,600	123,800	128,300	132,900
Richland	320,677	384,504	404,400	424,300	440,100	456,000
Saluda	19,181	19,875	20,000	20,200	20,300	20,400
Spartanburg	253,791	284,307	295,100	305,800	318,500	331,200
Sumter	104,646	107,456	108,200	108,900	109,200	109,500
Union	29,881	28,961	28,700	28,500	28,300	28,100
Williamsburg	37,217	34,423	33,800	33,100	33,000	32,900
York	164,614	226,073	248,800	271,500	296,100	320,700
South Carolina	4,012,012	4,625,364	4,823,200	5,020,800	5,235,500	5,451,700

Source: U.S. Census Bureau, U.S. Census Bureau, Census 2000 and Census 2010, S.C. Department of Health and Environmental Control - Vital Records Department. Population projections calculated by South Carolina Department of Revenue and Fiscal Affairs - Health and Demographics Section.

Initial Planning Document
For
Relief of South Carolina 803 NPA

November 29, 2017

North American Numbering Plan Administration

Heidi A. Wayman
NPA Relief Planner

803 NPA Background Information

Relief Planning Background and Assumptions:

South Carolina was one of the original Thirteen Colonies. It became a state on May 23, 1788. It is known as the Palmetto State.

The 803 NPA currently serves the central part of South Carolina which includes Columbia, the state capital. The 803 NPA is one of the original NPAs assigned in 1947. NPA 803 served the entire state of South Carolina until 1995, at which time a split was implemented and created the 864 NPA. The northwest portion of South Carolina became 864 and Charleston, Columbia and Florence LATAs retained the 803 NPA. In 1998, the 803 NPA needed additional relief and a split was implemented. This is the introduction of the NPA 843. The coastal area, including Charleston, Florence and the South Carolina portions of the Savannah and Wilmington LATAs moved to the new 843 NPA. The Columbia LATA remained in the 803 NPA.

The 843 NPA generally covers the coastal counties. The communities included in the 843 NPA include Charleston, Hilton Head Island, Myrtle Beach and Florence. On December 13, 2013, the South Carolina Public Service Commission approved an all-services overlay for the 843 NPA. The new NPA for this overlay was 854. NPA 854 became effective in October 2015. The 854 NPA serves the same geographic area currently served by the 843 NPA.

CO Code Summary:

As of October 26, 2017, the 803 NPA has 733 codes assigned, 46 codes available for assignment and 21 Unavailable codes. There are 59 service provider OCNs that are code holders in the 803 NPA, and 6 service provider OCNs that are only one-thousand-block holders in the NPA.

CO Code Assignment History:

There were 21 total codes assigned YTD as of October 26, 2017, 17 codes assigned in 2016, 12 assigned in 2015; 14 assigned in 2014; 11 assigned in 2013 and 8 assigned in 2012.

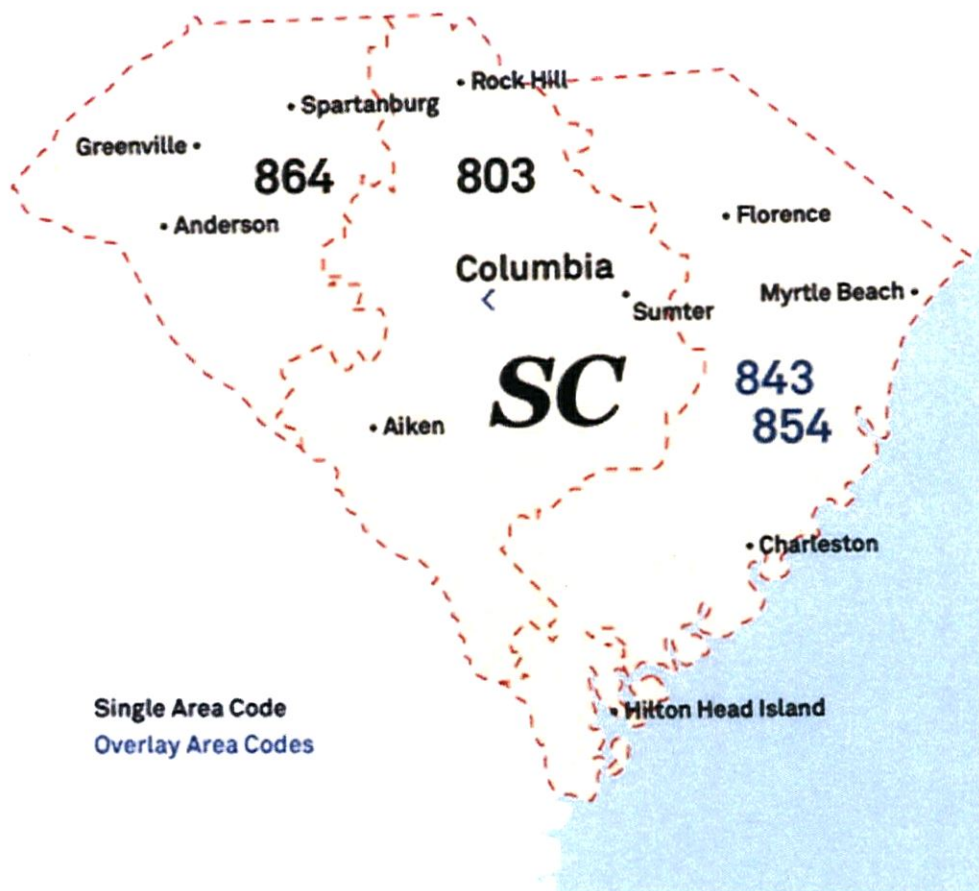
Exhaust Forecast:

The October 2017 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis ("2017 NRUF Report"), published by NANPA, indicates that the 803 NPA will exhaust during the fourth quarter of 2020. Relief planning for an additional overlay NPA is to start in 4Q2017.

CURRENT DIALING PLAN

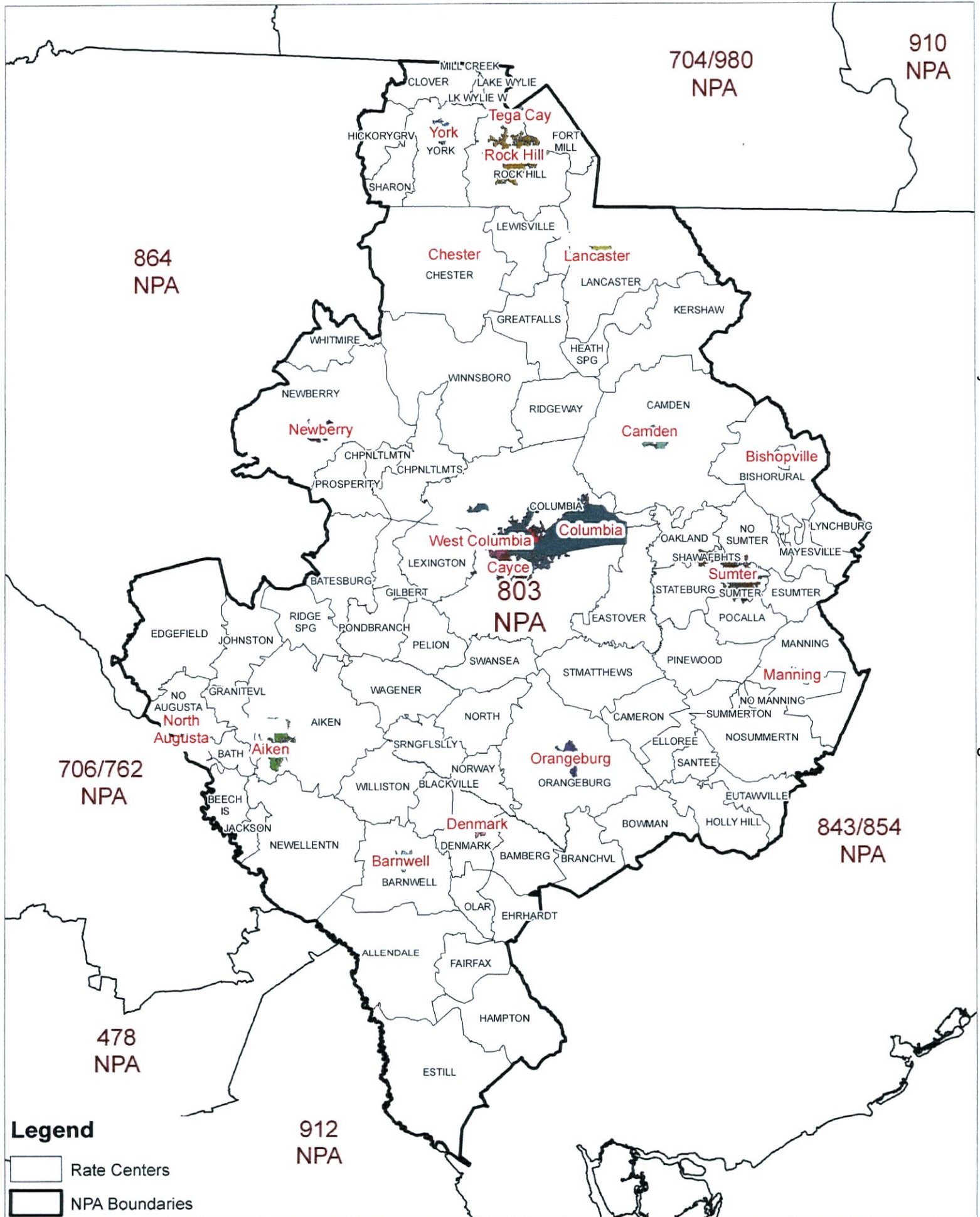
Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA)	7 digits (NXX-XXXX)
	Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)
Toll Call	Home NPA (HNPA)	1+10 digits (1+NPA-NXX-XXXX)
	Foreign NPA (FNPA)	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

South Carolina Area Code Map





SOUTH CAROLINA 803 NPA RATE CENTER & INCORPORATED CITIES MAP





POOLING STATISTICS Reported by: Cynthia McEwen	
ST/NPA:	SC 803
MEETING DATE:	11/29/2017
MEETING SUBJECT:	
Relief Planning	X
Jeopardy	
Jeopardy Status Review	
UA NXXs	
Other	
POOL START DATE (PSD)	3/12/2003
RATE CENTERS	
# Total	82
# Mandatory	38
# Mandatory-Single Service Providers (M*)	6
# Optional	35
# Excluded	3
BLOCKS ASSIGNED	
# Total	146
(For time period 12/01/16- 10/12/17)	
BLOCKS AVAILABLE	
#Total	538
(As of preparation date: 10/12/17)	
CODES ASSIGNED	
# Total	19
# for Pool Replenishment	14
# for Dedicated Customers	0
# for LRNs	5
(For time period 12/01/16- 10/12/17)	
CODES FORECASTED	
# Total	27
# for Pool Replenishment and Dedicated Customers	23
# for LRNs	4
(For the next twelve months as of 10/12/17)	

STATE: SOUTH CAROLINA

OCN: 803

OCN DATA DATE: October 18, 2017

Company	OCN	CountOfNXX
365 WIRELESS, LLC	551G	1
AT&T CORP.	516C	6
AT&T LOCAL	7421	5
BANDWIDTH.COM CLEC, LLC - SC	077F	13
BELLSOUTH TELECOMM INC DBA SOUTHERN BELL TEL & TEL	9417	174
BROADVOX-CLEC, LLC - SC	818F	2
BUSINESS TELECOM INC. - SC	8688	1
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - SC	6398	104
CENTURYLINK COMMUNICATIONS LLC	7575	2
CHARTER FIBERLINK SC-CCO, LLC - SC	778C	1
CHESTER TELEPHONE CO.	0516	8
COMMIO, LLC	939H	1
COMPORIUM, INC.	0542	15
DELTACOM, INC. - SC	4621	24
FAIRFIELD COMMUNICATIONS, INC. - SC	863A	2
FARMERS TELEPHONE COOPERATIVE, INC.	0520	18
FORT MILL TELEPHONE CO.	0521	6
FRONTIER COMMUNICATIONS OF THE CAROLINAS INC - SC	0526	5
FRONTIER COMMUNICATIONS OF THE CAROLINAS INC - SC	4335	20
FTC DIVERSIFIED SERVICES, INC.	4255	5
GLOBAL CROSSING LOCAL SERVICES, INC.-SC	3251	5
IDT AMERICA CORP - SC	467E	3
INTERMEDIA COMMUNICATIONS INC. - SC	8534	5
KNOLOGY OF SC DBA WOW INTERNET CABLE AND PHONE	6093	1
LANCASTER TELEPHONE COMPANY	0531	8
LEVEL 3 COMMUNICATIONS, LLC - SC	5258	22
LEVEL 3 TELECOM OF SOUTH CAROLINA, LLC - SC	5344	2
MATTHEWS RADIO SERVICE, INC. DBA EASTERN RADIO	8705	1
METRO PCS, INC.	5562	1
MID-STATE ELECTRONICS, INC. DBA METRO-PAGE	6013	1
NAVACORE, LLC - SC	689E	1
NEUTRAL TANDEM-SOUTH CAROLINA, LLC - SC	548E	10
NEW CINGULAR WIRELESS PCS, LLC - GA	6214	66
NORWAY TELEPHONE CO., INC.	0535	1
NUVOX COMMUNICATIONS	8660	10
PALMETTO TELEPHONE COMMUNICATIONS, LLC - SC	154C	1
PBT COMMUNICATIONS, INC. - SC	3453	6
PBT TELECOM, INC.	0539	6
PEERLESS NETWORK OF SOUTH CAROLINA, LLC - SC	098H	3
POWERTEL ATLANTA LICENSES, INC.	7473	10

PREFERRED NETWORKS, INC.	6539	1
RIDGEWAY TELEPHONE CO., INC.	0541	1
SOUTH CAROLINA NET, INC. - SC	1784	8
SOUTH CAROLINA TELECOMM GRP HOLDINGS, LLC - SC	527H	10
SPRINT SPECTRUM L.P.	6664	37
SUNCOM DBA T-MOBILE USA	8645	20
TELCOVE OF SOUTH CAROLINA, INC. - SC	7235	4
TELECOM SERVICES OF THE LOWCOUNTRY, LLC - SC	114D	4
TELEPORT COMMUNICATIONS AMERICA - SC - LLC	635C	4
TELNYX LLC	073H	1
TIME WARNER CBLE INFO SVC (SC) DBA TIME WARNER CBL	582C	18
UNITED STATES CELLULAR CORP. - SOUTH CAROLINA	6281	1
UNITED TELEPHONE CO CAROLINAS DBA CENTURYLINK	0506	6
US LEC OF SOUTH CAROLINA INC	8693	5
USA MOBILITY WIRELESS, INC.	6630	15
WILLISTON TELEPHONE CO.	0551	2
WINDSTREAM SOUTH CAROLINA, INC.	0517	16
XSPEDIUS MANAGEMENT CO SWITCHED SERVICES, LLC - SC	7273	3
YMAX COMMUNICATIONS CORP. - SC	364E	1

ONE-THOUSAND BLOCK HOLDERS IN THE 803 NPA THAT DO NOT HAVE NXX CODES ASSIGNED

NPA Complex	GEN	Company
803	192G	BIG RIVER TELEPHONE COMPANY, LLC - SC
803	217F	ALEC, LLC - SC
803	288B	MCI WORLDCOM COMMUNICATIONS, INC. - SC
803	3094	BIRCH COMMUNICATIONS, INC. - SC
803	4730	COMCAST PHONE OF SOUTH CAROLINA, INC. - SC
803	5464	NETWORK TELEPHONE CORPORATION - SC

STATE: SOUTH CAROLINA

NPA: 843/854

OCN DATA DATE: October 27, 2017

Company	OCN	CountOfNXX
365 WIRELESS, LLC	551G	2
AAA COMMUNICATIONS LTD	6019	1
ALEC, LLC - SC	217F	1
AT&T CORP.	516C	8
AT&T LOCAL	7421	5
BANDWIDTH.COM CLEC, LLC - SC	077F	5
BELLSOUTH TELECOMM INC DBA SOUTHERN BELL TEL & TEL	9417	139
BERKELEY CABLE TELEVISION INC DBA HOME TELECOM-SC	712C	2
BLUFFTON TELEPHONE CO., INC.	0512	6
BUSINESS TELECOM INC. - SC	8688	2
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - SC	6398	97
CENTURYLINK COMMUNICATIONS LLC	7575	2
COMCAST PHONE OF SOUTH CAROLINA, INC. - SC	4730	5
COMMIO, LLC	939H	1
DELTACOM, INC. - SC	4621	30
EMBARQ COMMUNICATIONS, INC. DBA CENTURYLINK COM SC	022E	1
FARMERS TELEPHONE COOPERATIVE, INC.	0520	9
FRONTIER COMMUNICATIONS OF THE CAROLINAS INC - SC	4335	57
FTC DIVERSIFIED SERVICES, INC.	4255	5
HARGRAY TELEPHONE CO., INC.	0523	12
HARGRAY, INC.-SC	5385	5
HOME TELEPHONE ILEC, LLC	0527	10
HORRY TELEPHONE COOPERATIVE, INC.	0528	24
HORRY TELEPHONE COOPERATIVE, INC. - SC	8960	6
INTERMEDIA COMMUNICATIONS INC. - SC	8534	3
KNOLOGY OF SC DBA WOW INTERNET CABLE AND PHONE	6093	3
LEVEL 3 COMMUNICATIONS, LLC - SC	5258	35
LEVEL 3 TELECOM OF SOUTH CAROLINA, LLC - SC	5344	2
MCCLELLANVILLE TELEPHONE CO., INC.	0533	2
MCI WORLDCOM COMMUNICATIONS, INC. - SC	288B	1
METRO PCS, INC.	5562	1
NEUTRAL TANDEM-SOUTH CAROLINA, LLC - SC	548E	10
NEW CINGULAR WIRELESS PCS, LLC - GA	6214	47
NUVOX COMMUNICATIONS	8660	17
P.V. TEL, LLC	8613	1
PALMETTO RURAL TELEPHONE COOPERATIVE, INC.	0536	7
PALMETTO TELEPHONE COMMUNICATIONS, LLC - SC	154C	4
PEERLESS NETWORK OF SOUTH CAROLINA, LLC - SC	098H	1
POWERTEL ATLANTA LICENSES, INC.	7473	7

SC	687H	1
NNEXTIONS, LLC - SC	067J	2
EPHONE COOPERATIVE, INC.	0546	9
LINA NET, INC. - SC	1784	4
RCLEC, INC. - LINA TELECOMM GRP HOLDINGS, LLC - SC	527H	18
SANDHILL CO RUM L.P.	6664	36
SANDHILL TELEPHONE CO.	0544	3
SOUTH CARO T-MOBILE USA	8645	37
SOUTH CARO SOUTH CAROLINA, INC. - SC	7235	2
SPRINT SPECT VICES OF THE LOWCOUNTRY, LLC - SC	114D	3
ST STEPHEN T MMUNICATIONS AMERICA - SC - LLC	635C	3
SUNCOM DBA	073H	3
TELCOVE OF S R CBL INFO SVC (SC) DBA TIME WARNER CBL	582C	26
TELECOM SER ES CELLULAR CORP. - SOUTH CAROLINA	6281	4
TELEPORT CO PHONE CO CAROLINAS DBA CENTURYLINK	0506	16
TELNYX LLC UTH CAROLINA INC	8693	11
TIME WARNE Y WIRELESS, INC.	6630	10
UNITED STAT UNICATIONS CORP. - SC	364E	3
UNITED TELE		
US LEC OF SO		
USA MOBILIT		
YMAX COMM		

STATE: SOUTH CAROLINA

NPA: 803

RATE CENTER DATA DATE: October 18, 2017

Rate Center	CountOfNXX
AIKEN	30
ALLENDALE	6
BAMBERG	4
BARNWELL	10
BATESBURG	9
BATH	4
BEECH IS	10
BISHOPVL	8
BISHORURAL	4
BLACKVILLE	3
BOWMAN	1
BRANCHVL	2
CAMDEN	19
CAMERON	2
CHESTER	13
CHPNLTLMTN	3
CHPNLTLMTS	6
CLOVER	5
COLUMBIA	242
DENMARK	6
EASTOVER	4
EDGEFIELD	4
EHRHARDT	2
ELLOREE	1
ESTILL	2
ESUMTER	2
EUTAWVILLE	2
FAIRFAX	2
FORT LAWN	2
FORT MILL	9
GILBERT	2
GRANITEVL	4
GREATFALLS	1
HAMPTON	8
HEATH SPG	2
HICKORYGRV	2
HOLLY HILL	4
JACKSON	3
JOHNSTON	6
KERSHAW	2
LAKE WYLIE	5
LANCASTER	16

LEWISVILLE	2
LEXINGTON	13
LK WYLIE W	3
LYNCHBURG	2
MANNING	7
MAYESVILLE	2
MILL CREEK	3
NEWBERRY	12
NEWELLENTN	4
NO AUGUSTA	25
NO MANNING	4
NO SUMTER	15
NORTH	1
NORWAY	1
NOSUMMERTN	2
OAKLAND	3
OLAR	1
ORANGEBURG	34
PELION	3
PINEWOOD	2
POCALLA	3
PONDBRANCH	2
PROSPERITY	3
RIDGE SPG	2
RIDGEWAY	2
ROCK HILL	39
SANTEE	3
SHARON	3
SHAWAFBHTS	4
SRNGFLSLLY	4
STATEBURG	3
STMATTHEWS	4
SUMMERTON	3
SUMTER	20
SWANSEA	2
WAGENER	2
WHITMIRE	4
WILLISTON	1
WINNSBORO	8
YORK	10

STATE: SOUTH CAROLINA

NPA: 843/854

RATE CENTER DATA DATE: October 27, 2017

Rate Center	CountOfNXX
ANDREWS	3
AWENDAW	1
AYNOR	2
BEAUFORT	30
BENNETTSVL	8
BETHUNE	2
BLENHEIM	4
BLUFFTON	13
BONNEAU	1
CHARLESTON	191
CHERAW	10
CHESTERFLD	5
CLIO	3
COLLINSCK	7
CONWAY	12
COTTAGEVL	2
CROSS	2
DARLINGTON	6
DILLON	8
EASTCONWAY	10
EDISTO IS	4
FLORENCE	57
FLOYDS	2
FOLLYBEACH	4
GEORGETOWN	15
GREELEYVL	3
HARDEEVL	4
HARLEYVL	4
HARTSVILLE	12
HEMINGWAY	3
HENDERSNVL	2
HILTONHEAD	24
HOLLYWOOD	5
HUGER	2
ISLE PALMS	5
JAMESTOWN	2
JEFFERSON	1
JOHNSONVL	6
KINGSTREE	6
LAKE CITY	5
LAKE VIEW	3
LAKESWOOD	4

LAMAR	1
LANE	2
LATTA	3
LAUREL BAY	4
LEBANON	1
LODGE	2
LORIS	4
LOWCOUNTRY	5
MACEDONIA	2
MARION	10
MCBEE	2
MCCOLL	3
MCLELLANVL	1
MONCKS COR	12
MTPLEASANT	17
MULLINS	3
MURELSINLT	5
MYRTLE BCH	56
NEWTONVL	2
NICHOLS	3
NMYRTLEBCH	10
NO CONWAY	4
NOKINGSTRE	3
NWALTERBOR	6
OLANTA	2
PAGELAND	4
PAMPLICO	1
PATRICK	2
PAWLEYS IS	4
PINEVILLE	1
RIDGELAND	7
ROWLAND	2
RUBY	1
SCRANTON	4
SO CONWAY	4
SOCIETY HL	3
ST GEORGE	6
ST HELENA	6
ST STEPHEN	2
SULLIVNSIS	3
SUMMERVL	17
SWALTERBOR	2
TIMMONSVL	3
TURBEVILLE	3
W ANDREWS	2
WALTERBORO	9
WAMPEE	5

WILLIAMS	1
WMYRTLEBCH	17
YEMASSEE	2

803 NPA - RELIEF ALTERNATIVES

SOUTH CAROLINA

Numbering Plan Area Born on Date: January 1, 1947

NPA RELIEF PLANING TOOL ASSUMPTIONS

NRUF DATE..... October 25, 2017
 PROJECTED EXHAUST DATE.....4Q2020
 ANNUALIZED CODE DEMAND PROJECTION.....15
 MONTHLY CO CODE DEMAND PROJECTION.....1.28
 NXX Assignment dataOctober 26, 2017

~~NPA RELIEF ALTERNATIVES~~

OVERLAY ALTERNATIVE

NPA BOUNDARY ELIMINATION OVERLAY-ALTERNATIVE # 1


The boundary between the existing 803 and 843/854 NPA codes would be eliminated and the 803 and 843/854 NPAs would be assigned to the same geographic areas occupied by the existing 803 and 843/854 NPAs. The 803 NPA and 843/854 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 803 and 843/854 NPAs in the affected area would be required. Available central office codes in the 843/854 overlay NPA will be assigned upon request in the 803 area with the effective date of the new area code boundary and available 803 NPA central office codes could be assigned upon request in the 843/854 NPA area. At exhaust of the 803 NPA all future NXX code assignments will be made from the 843/854 overlay area code supply of central office codes. There are 93 rate centers in the 843/854 NPA with a forecasted exhaust of more than 30 years; eliminating the boundary to include the 803 NPA area would result in a projected life of approximately 31 years before additional relief would be required.


ALL SERVICES DISTRIBUTED OVERLAY-ALTERNATIVE # 2

A new NPA code would be assigned to the same geographic area occupied by the existing 82 rate centers of the 803 NPA. Customers would retain their current telephone numbers; however, ten-digit dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 803 NPA all future code assignments will be made in the overlay area code. The projected life of this alternative is approximately 46 years.

GEOGRAPHIC SPLIT ALTERNATIVE

NANPA has determined that no split alternative will meet the INC Guidelines. Therefore, no split alternative was developed.

 NPA Boundaries

 Rate Centers

